Index to Volume 25

Author Index

AITTA, E., LAJUNEN, L. H. J., LESKELÄ, M.: A thermal study on the precipitates formed in ammonia neutralization of acidic solutions of dissolved phlogopite, 117
AMER, M. M., see KHATTAB, F. I., 367
ARNOLD, M., see PAULIK J., 327
ARNOLD M., see PAULIK F., 313

BARNES, P. A., STEPHENSON, G., WARRINGTON, S. B.: The use of TA-GCL-MS as a quantitative specific EGA technique for the investigation of complex thermal decomposition reactions: The thermal decomposition of calcium propanoate, 299
BOPP, R. C., GAUR, U., KAMBOUR, R. P., WUNDERLICH, B.: Effect of bromination on the thermal properties of poly(2,6-dimethyl-1,4-phenylene oxide), 243
BORSESE, A., see BORZONE, G., 433
BORZONE, G., BORSESE, A., ZANICCHI, G., FERRO, R.: Determination of heats of formation of praseodymium antimonides, 433
BRZYSKA, W., KULA, A.: Thermal decomposition of Y, La and light lantanide ferulates, 531
BULINA, T. M., see DAUENGAUER, S. A., 441

DAUENGAUER, S. A., SAZANOV, YU. N., SHIBAEV, L. A., BULINA, T. M., STEPANOV, N. G.: The complex of acid amides with polar aprotic solvents. II. Thermal analysis of the complexes of bis(N-phenyl)-pyromellitic acid amide with dimethylformamide, diemethylacetamide, N-methylpyrrolidone and dimethylsulfoxide, 441
DAUENGAUER, S. A., see SHIROKOV, N. A. 597

EL SAYED ALI, M., TOFT SØRENSEN, O., HÄLLDAHL, L.: Quasi-isothermal dilatometric studies of the influence of oxygen pressure on the initial sintering stage of UO_2 powder compacts, 175
ERÄ, V. A.: Thermal analysis of thermosetting resins, 79
ERVASTI, M., see SILVONEN, R., 101

FERRO, R., see BORZONE, G., 433
FORET, F., LANGFELDEROVÁ, H., GAŽO, J.: The relationship between the structure of Cu(II) complexes and their chemical transformations. IV. The thermochromism of $M^{I}_{2}M^{II}(SO_4)_2$. Compounds (M^{I} = K, Rb, Cs and Tl, M^{II} = Ni or Cu), 487

GALLAGHER, P. K.: Applications of evolved gas analysis to the study of inorganic materials and processes, 7
GALLO, R., see SEVERINI F., 515
GARN, P. D., see HABASH, T. F., 271
GARN, P. D., see KAWALEC B., 259
GAUR, U., see BOPP, R. C., 243
GAŽO, J., see LANGFELDEROVÁ, H., 487
GORBACHEV, V. M.: On the expedience for practice to search for a more accurate analytical solution of the integral in the Arrhenius equation in non-isothermal kinetics, 603
GRENET, J., LARMAGNAC, J. P., MICHON, P.: Non isothermal crystallization in amorphous selenium films, 539

HABASH, T. F., HOUSER, J. J., GARN, P. D.: Dynamic purity measurements II. Some additional systems, 271
HAGLUND, O.: Curie temperature of alloys, its measurement and technical importance, 21
HAJDUK, N., see SMIESZEK, Z., 377
HÄLLDAHL, L., see EL SAYED ALI, M., 175
HARRISON, L. R., VARNELL, W. D.: The effect of sample geometry on the melting point of polyethylene, 391
HASSAN, N. Y. M., KHATTAB, F. I., 367
HAUTA-AHO, C., see SILVONEN, R., 101
HEMMILÄ, M. O.: Use of thermal analysis in compatibility testing of 2,4,6-trinitrotoluene, 135
HOLM, J. L., LØNVIK, K.: Studies of the polymorphic transformations of dicalcium silicate ($CaSiO_4$) and sodium tetrafluoroberyllate (Na_2BeF_4) by thermosonimetry and differential scanning calorimetry, 109
HÖLSÄ, J. P. K.: Thermal stabilities of selected rare earth oxyiodides, 127
HOUSER, J. J., see HABASH, T. F., 271
HOUSER, J. J., see KAWALEC, B., 259

JORGENSEN, F. R. A., MOYLE, F. J.: Phases formed during the thermal analysis of pyrite in air, 473
JUHÁSZ, Z.: Adaption of thermal analysis for the study of water vapour adsorption isotherms 409

KAHWA, I. A.: Fusion temperatures of rare earth metal trihalides, 525
KAISERSBERGER, E.: Ceramics – New applications in a traditional ?eld of thermal analysis, 181
KAMBOUR, R. P., see BOPP R. C., 243
KÁNTOR, T., see SIMON, J., 57
KAWALEC, B., HOUSER, J. J., GARN, P. D.: Dynamic purity determination I. Location of the solidus by nuclear magnetic resonance, 259
KHATTAB, F. I., AMER, M. M., HASSAN, N. Y. M.: Thermal analysis of pharmaceutical compounds. IV. Evaluation of sulphonamides by thermal analysis, 367
KISHORE, K., NAGARAJAN, R.: Thermochemical and kinetics studies on the effects of cobalt salicylate on the oxidative degradation of polystyrene, 585
KITAZAWA, Y., KUNIMOTO, Y., WAKIHARA, M., TANIGUCHI, M.: Phase equilibria and oxidation mechanisms in the La–S–O system, 279
KNUUTTILA, P., see LUMME, P., 139
KOLENDA, Z. S., see SMIESZEK, Z., 377
KOSKI, L., SAARELA, K.: Oxidation stability of polymeric materials dynamic DSC/DTA method, 167
KOZMA, T., see SIMON, J., 57
KTENAS, T. B., TAYLOR, M. D.: Modes of decomposition of silver, lead and mercuric toluene-dithiolates. A synthetic and analytical study, 503
KULA, A., see Brzyska, S., 531
KULKARNI, S. B., see SHIRALKAR, V. P., 399
KUNIMOTO, Y., see KITAZAWA, Y., 279
KUŠNIERIK, O., see POSPÍŠIL, M., 499

LAJUNEN, H. J., see AITTA, E., 117
LANGFELDEROVÁ, H., see FORET, F., 487
LARMAGNAC, J. P., see GRENET, J., 539
LEBODA, R., MENDYK, E.: Thermal modification of silica gels with temperature programming, 449
LESKELÄ, M., see AITTA, E., 117
LEVY, J. H., STUART, W. I., WHITTEM, R. N.: Thermal analysis of an epoxide resin system, 359

LINDBERG, J. J., see SILVONEN, R., 101
LIPTAY G.: Thermal analysis from a numerical aspect, 235
LØNVIK, K., see HOLM, J. L., 109
LUDWIG W., see VOIGT, B., 341, 579
LUMME, P., KNUUTTILA, P.: Studies on coordination compounds VII. Chromatographic, thermoanalytical and spectroscopic studies on thermal decomposition of cadmium(II) and lead(II) salicyl-aldoximates, 139

MÄKITIE, O., see RIEKKOLA, M. L., 89
MARIK-KORDA, P.: book review, 231
MARK, H., book review 633
MARULLO, P., see SEVERINI, F., 515
MATHUR, A. B., see SINGH, P. K., 387
MATHUR, G. N., see SINGH, P. K., 387
MATISOVÁ-RYCHLÁ, L., see RYCHLÝ, J., 243
MENDYK, E., see LEBODA, R., 449
MICHON, P., see GRENET, J., 539
MOYLE, F. J., see JORGENSEN, F. R. A., 473

NAGARAJAN, R., see KISHORE, K., 585
NOCKERT, M., WADSTEN, T.: On the identification of textil fibers by TG, 95
NORWISZ, J., see SMIESZEK, Z., 377

PAULIK, F., PAULIK, J., ARNOLD, M.: Kinetics and mechanism of the decomposition of pyrite under conventional and quasi isothermal – quasi isobaric thermoanalytical conditions, 313
PAULIK F., see PAULIK J., 327
PAULIK, J., PAULIK, F., ARNOLD, M.: Simultaneous TG, DTG, DTA and EGA technique for the determination of carbonate, sulfate, pyrite and organic material in minerals, soils and rocks. Part I. Principles of the method, 327
PAULIK, J., see PAULIK F., 313
POSPÍSIL, M., KUŠNIERIK, O.: Influence of composition and ionizing radiation on kinetics of reduction of mixed CdO– ZnO oxides with hydrogen, 499
PRASAD, T. P., see SWAMY, M. S. R., 347
PRASAD, T. P., see SWAMY, M. S. R., 355
PUNGOR E., see SIMON J., 57

RADOMSKA, M., see WĄSICKI, J., 509
RADOMSKI, R., see WĄSICKI, J., 509
RAPER, E. S.: Thermal analysis of heterocyclic thione donor complexes. Part 1. Cobalt(II) complexes of 1-methylimidazoline-2(3H)-thione, 463
RIEKKOLA, M. L., MÄKITIE, O.: Thermal properties of some metal chelates of di-isobutyl-dithiocarbamic acid, 89
RYCHLÝ, J., MATISOVÁ-RYCHLÁ, L., VAVREKOVÁ M.: Difference method of evaluation of dynamic integral thermogravimetric curves in decomposition of polypropylene, 423

SAARELA, K., see KOSKI, L., 167
SAZANOV, YU. N., see DAUENGAUER, S. A., 441
SAZANOV, YU. N., see SHIROKOV, N. A., 597
SEIFERT, H. J., THIEL, G.: Thermal analysis by EMF-measurements on solid electrolytes, 291
SEPPÄLÄ, C., see SILVONEN, R., 101
SEVERINI, F., GALLO, R., MARULLO, R.: Differential scanning calorimetry study of reactions of epoxides with polyamides, 515
SHIBAEV, L. A., see DAUENGAUER, S. A., 441
SHIRALKAR, V. P., KULKARNI, S. B.: Thermal and structural properties of rare earth exchanged zeolites, 399

SHIROKOV, N. A., DAUENGAUER, S. A., SAZANOV, YU. N.: Some features of DTA in platinum crucibles, 597
SILVONEN, R., LINDBERG, J. J., SEPPÄLÄ, C., ERVASTI, M., HAUTA-AHO, C.: Studies on water retention and water release from some protein systems, 101
SIMON, J., KÁNTOR, T., KOZMA, T., PUNGOR, E.: Thermal analysis of Sb_2O_3/organohalide-based flame retardants including atomic absorption detection of the evolved species, 57
SINGH, P. K., MATHUR, A. B., MATHUR, G. N.: Study on the thermal behaviours of homo- and copolymers of styrene, MA and AN by thermogravimetry, 387
SMIESZEK, Z., KOLENDA, Z. S., NORWISZ, J., HAJDUK, N.: Remarks on the determination of kinetic constants from the thermogravimetric data, 377
STEPANOV, N. G., see DAUENGAUER, S. A., 441
STEPHENSON, G., see BARNES, P. A., 299
STUART, S. I., see LEVY, J. H., 359
SWAMY, M. S. R., PRASAD, T. P.: Thermal decomposition of iron(II) sulphate heptahydrate in the presence of alkali metal carbonates, 347
SWAMY, M. S. R., PRASAD, T. P.: Thermal decomposition of iron(II) sulphate heptahydrate in air in the presence of (basic) beryllium carbonate, 355

TANIGUCHI, M., see KITAZAWA Y., 279
TAYLOR, M. D., see KTENAS, T. B., 563
THIEL, G., see SEIFERT, H. J., 291
TOFT SØRENSEN, O., see EL SAYED ALI, M., 175

VARNELL, W. D., see HARRISON, L. R., 391
VAVREKOVÁ, M., see RYCHLÝ, J., 423
VOIGT, B., LUDWIG, W.: Untersuchung der Kristallisation unterkühlter GeX_2 Schmelzen (X = O, S, Se) durch DTA, 341
VOIGT, B., LUDWIG, W.: Eine neue Methode zur Abschätzung der Glasbildungstendenz von Schmelzen durch DTA am Beispiel des Systems Pb—Se—Ge, 579

WADSTEN, T., see NOCKERT, M., 95
WAKIHARA, M., see KITAZAWA Y., 279
WARRINGTON, S. B., see BARNES, P. A., 299
WĄSICKI, J., RADOMSKA, M., RADOMSKI, R.: Heat capacities of diphenyl, *p*-terphenyl and *p*-quaterphenyl from 180 K to their melting points, 509
WHITTEM, R. N., see LEVY, J. H., 359
WIDMANN, G.: Kinetic measurements on polymers — applications and limits, 45
WILBERFORCE, J. K.: Comparison of methods of determination of adiabatic times to maximum rate of exothermic reactions, 593
WUNDERLICH, B., see BOPP, R. C., 243

ZANICCHI, G., see BORZONE, G., 433

Subject Index

Activation energy of bis(N-phenyl)pyromellitic acid complexes 445
– –, of crystallization of germanium oxide (sulphide, selenide) glasses 344
– – of decomposition of polypropylene 429
– –, – toluenedithiolates 574
– –, of dehydration of zeolites 405
– –, of phenol-formaldehyde reaction 81
– –, of polyaddition of epoxy premix 52
– –, of reactions of epoxides with polyamines 515
– –, of shrinkage of UO_2 177
– –, of styrene polymers 390
– –, thermal decomposition of indium phosphid 13
Adiabatic time to maximum rate, determination of 593
Adsorption isotherms of modified silica gels 452
– –, of water vapour, adaption of thermal analysis for 409
Antimony trichloride, DTA, TG, DTG, 65
– –, formation with flame retardation, thermal- and atomic absorption analyses 57
– troixide-organohalide-based flame retardants 57
Alloys, Curie temperature of 21
Alkali metal carbonates, effect on thermal decomposition of iron(II) sulphate heptahydrate 347
– metal nickel(II) sulphate, DTA and thermochromism 493
Alunite, dilatometry, DTA, TG, DTG, 187
Amorphous selenium film, crystallization of 539
Arrhenius equation, solution of the integral 603
Artifacts in thermogravimetry 38
Asbestos, thermal decomposition 9
Atomic absorption analysis of evolved species by flame retardation 57

Bauxite-calcite mixture, simultaneous TG, DTG and EGA 333
– -siderite mixture, EGA 332
–, simultaneous TG, DTG, DTA and EGA analysis of 329
Bentonites, adsorption isotherms and DTG curves of 418
Beryllium carbonate, effect on thermal decomposition of iron(II) sulphate heptahydrate 355
Bibliography section 191, 607
Book review 231, 633
Brick raw material, dilatometry – EGD study 185
Bromation, effect on thermal properties of poly(2,6-dimethyl-1,4-phenylene oxide) 243

Cadmium oxide – zinc oxide mixtures, kinetics of reduction 499
– salicyl-aldoximates, thermal decomposition of 139

Calcium hydroxide, SO_2 absorption, model experiment for 188
— oxalate monohydrate, DTA, effect od sample holder material 598
— propanoate, thermal decomposition, study by complex EGA 299
— sulphate, adsorption isotherms and DTG curves of 420
Calibration of temperature, by Curie temperature measurements 38
Casein, water release of, DSC 101
Cement, adsorption isotherms and DTG curves of 421
Cemented carbides, Curie temperature, measured by thermomagnetometry 33
Ceramics, application of thermal analysis for study of 181
Cerechlor 70, mixture with antimony trioxide, thermal analysis 71
—, thermal analysis 71
Chelates of di-isobutyldithiocarbamic acid, thermal properties 89
Cobalt salicylate, effect of, on polystyrene oxidative degradation 585
—, thione donor complexes of, thermal analysis 463
Compatibility testing of explosives, use of thermal analysis 135
Complexes, thermochromism of 487
— of bis(N-phenyl) pyromellitic acid 441
Copolymers of styrene, study by TG 389
Copper(II) complexes, thermochromism of 487
Cotton fiber, DTA, effect of sample holder material 600
Crystallization of amorphous selenium film 539
— temperature, of melts, in lead-selenium-germanium system 579
— kinetics, of germanium oxide (sulphide, selenide) glasses 341
Curie temperature of alloys 21
— —, measuring by thermogravimetry 26
— — standards 38
Curing reaction of epoxy premix by DSC 49
— —, of resol resins, study by DSC 83
— —, study by thermal analysis 359
Cystein, water release of, by DSC 105
Cystin, water release of, by DSC 101

Degradation of polystyrene, effect of cobalt salicylate on 585
Depolymerization of polystyrene, kinetics by TG 51
Derivative thermogravimetry, of antimony trichloride 65
— —, — trioxide 63
— —, — — -Cerechlor 70 mixtures 71
— —, — — -poly(vinyl chloride) mixtures 67
— —, of asbestos 9
— —, of calcium propanoate 304
— —, of chelates of di-isobutyl-dithiocarbamic acid 91
— —, of cobalt(II) complex of 1-methyl-imidazoline-2(3H)-thione 455
— —, of epoxide resin system 361
— —, of Flammex 72
— —, of iron(II) sulphate heptahydrate-alkali metal carbonate mixtures 349
— —, — — — -beryllium carbonate mixtures 356
— —, of lead dithiolate 571
— —, — tolunedithiolate 571
— —, of light lanthanide ferulates 534
— —, of precipitates from phlogopite 120
— —, of pyromellitic acid complexes 442
— —, of rare earth oxyiodides 127
— —, — — zeolites 403
— —, simultaneous with DTA and TG, of pyrite 314

Derivative thermogravimetry, of silver dithiolate 567
— —, of Tipolen 68
— —, of trinitrotoluene and epoxyresin mixtures 137
Determination of phase diagram, of La—S—O—system 279
— of sulphonamides by DTA 367
Dicalcium silicate, polymorphic transformation 111
Difference method of evaluation of TG curves of polypropylene 423
Differential scanning calorimetry, of copper(II) di-isobutyl-dithiocarbamate 92
— — —, of crystallization of selenium films 539
— — —, for determination of heat capacity of diphenyl 509
— — —, of epoxide resin system 363
— — —, isothermal, for study of curing of epoxy premix 54
— — —, kinetics of curing of epoxy premix 49
— — —, for melting point determination of polyethylene 391
— — —, of polymeric materials 169
— — —, of proteins, study of water release 101
— — —, for purity determinations 259
— — —, of reactions of epoxides with polyamines 515
— — —, of sodium tetrafluoroberyllate, polymorphic transformation of 112
— — —, for study of curing of resol resins 83
— — —, and thermomagnetometry of nickel 30
Differential thermal analysis, of antimony trichloride 65
— — —, — trioxide 63
— — —, — — -poly(vinyl chloride) mixtures 67
— — —, of calcium oxalate monohydrate, effect of sample holder material on 598
— — —, — propanoate 304
— — —, of cobalt(II) complex of 1-methyl-imidazoline-2(3H)-thione 467
— — —, combined with GLC and MS 302
— — —, of cotton fiber, effect of sample holder material 600
— — —, of crystallization of germanium oxide (sulphide, selenide) glasses 343
— — —, — of selenium films 539
— — —, for determination of glassforming tendency 579
— — —, — of sulphonamides 368
— — —, of epoxide resin system 363
— — —, of Flammex 72
— — —, of iron(II) sulphate heptahydrate-beryllium carbonate mixtures 356
— — —, — — — -alkali metal carbonate mixtures 349
— — —, of La—S—O system 287
— — —, of light lanthanide ferulates 534
— — —, in platinum crucibles in air 597
— — —, of polyacrylonitrile, effect of sample holder metarial 600
— — —, of precipitates from phlogopite 120
— — —, of pyrite 475
— — —, in radiation heated system 183
— — —, of rare earth oxyiodides 127
— — —, — — zeolites 403
— — —, simultaneous with DTG and TG, of pyrite 314
— — —, of Tipolen 68
— — —, and thermochromism of alkali metal copper(II) and nickel(II) complexes 487
— — —, of trinitrotoluene and epoxyresin mixtures 137
Di-isobutyldithiocarbamic acid, metal chelates of, thermal properites 89
Dilatometry, quasi isothermal sintering of UO_2 175
Diphenyl, heat capacity by DSC 509
Dynamic purity determinations, use of nuclear magnetic resonance in 259, 271

Electromotive force measurements, for thermal analysis 291
Enthalpies of decomposition of cobalt(II) complex of 1-methyl-imidazoline-2(3H)-thione 470
– of fusion, of diphenyl 512
– of transition, of diphenyl 512
Epoxide resin system, thermal analysis 359
Epoxies, reaction with polyamines, DSC 515
Epoxy premix, curing reaction, DSC 49
Evolved gas analysis, asbestos 9
– – –, of calcium propanoate 307
– – –, indium phoshid 15
– – –, pyromellitic acid complexes 442
– – –, quantitative specific technique of 299
– – –, reduction of iron(III) oxide 17
– – –, – of nickel oxide 16
– – –, study of inorganic materials 7
Explosives, use of thermal analysis in compatibility testing of 135

Ferromagnetic alloys, Curie temperature of 31
– metals, Curie temperature of 23
Ferulates, light lanthanide, thermal decomposition 531
Flame retardant mixtures, mass spectrometric analysis 73
– –retardants, thermal analysis and atomic absorption study 57
Flammex, mixture with antimony trioxide, TG, DTG 72
–, thermal analysis of 72
Fusion temperatures, of rare earth trihalides 525

Gas chromatography, for separation of di-isobutyldithiocarbamate chelates 93
Germanium oxide (sulphide, selenide) glasses, DTA, kinetics of crystallization 341
Glass-forming tendency, empirical value for 579
– transition temperature of poly(2,6-dimethyl-1,4-phenylene oxide) 249
Gluten, water release of, by DSC 101

Heat capacites of diphenyl, *p*-terpenyl, *p*-quaterphenyl 509
– capacity of poly(2,6-dimethyl-1,4-phenylene oxide) 251
Heats of formation of praseodymium antimonides 433

Indium phosphid, thermal decomposition 11
Inductive method for measuring of Curie temperature 28
Infrared spectra of potassium copper(II) sulphate modifications 490
– –, of salicylaldoximates 156
– – of zeolites 402
Ionizing radiation on kinetics of reduction of mixed oxides 499
Iron(II) sulphate heptahydrate, thermal decomposition in presence of alkali metal carbonates 347
– – –, – – in presence of beryllium carbonate 355
Isotactic polypropylene, TG at various heating rates 426
Isothermal decomposition, indium phosphid 14

Kinetic constants, determination from TG data, remarks 377
– parameters of crystallization, of selenium film 539
– –, prediction of time to maximum rate from 593
Kinetics of crystallization, of germanium oxide (sulphide, selenide) glasses 341
– of oxidative degradiation of polystyrene 589
– of reduction of cadmium oxide-zinc oxide mixtures 499

Kinetics of thermal decomposition of calcium propanoate 309
—, — — of polymers 45
—, — — of pyrite by quasi-isothermal TG 313

Lanthanum-sulphur-oxygen system, phase diagram 279
Lead(II) salicyl-aldoximates, thermal decomposition 139
— -selenium—germanium system, glass-forming tendency 579
— toluenedithiolate, thermal decomposition 563
Linen fibers, TG, for identification 99

Magnetometer 29
Mass spectrometric analysis of flame retardant mixtures 73
Mass spectrocsopy of pyromellitic acid complexes 444
— — of salicyl-aldoximates 149
Melting point of polyethylene, effect of sample geometry on 391
Menadion, purity determination 274
Mercury(II) toluenedithiolate, thermal decomposition 563
Microprobe examination of pyrite oxidation 479

Nickel(II) complexes, thermochromism of 487
— oxide, reduction by hydrogen 16
Nuclear magnetic resonance, use in purity determination 259, 271
— — — spectra of polymers 245

Oxidation mechanism in the La—S—O—system 279
— of pyrites, and phases formed 473
— stability of polymeric materials 167

Paper, impregnated, heats of reaction with thermal treatment 85
Pharmaceutical compounds, thermal analysis of 367
Phase diagram of La—S—O system 279, 283
— — of praseodymium-antimon system, presumable 434
— transformation, study with thermomagnetometry 31
Phenacetin, purity determination by DSC 265, 271
Phenol-formaldehyde reaction, activation energy of 81
Phlogopite, precipitates from acid solution of, DTA, DTG, TG 120
Platinum curcible, effect on DTA in air 597
Polyacrylonitrile, DTA, effect of sample holder material 600
Polyamines, reactions with epoxides, DSC 515
Poly(2,6-dimethyl-1,4-phenylene oxide), bromination of, effect on thermal properties 243
Polyethylene, melting point, effect of sample geometry on 391
—, oxidation, study by DSC 54
Polymeric materials, DSC 167
Polymers, kinetics of 45
Polypropylene, difference method for evaluation a TG curves of 423
Polystyrene, oxidative degradation, effect of cobalt salicylate on 585
—, thermal depolymerization, kinetics, by TG 51
Poly(vinyl chloride), mixture with antimony trioxide, thermal analysis 67
Potassium chloride-nickel chloride, phase diagram, study with solid electrolyte 294
— copper(II) sulphate, DTA and thermochromism 489
Praseodymium antimonides, determination of heats of formation 433
Protein systems, water release of 101
Publication in thermal analysis, review 235
Purity determination by DSC 259, 271

Pyrite-calcium carbonate mixture, simultaneous TG, DTG, DTA and EGA analysis of 330
—, oxidation of, and phases formed during 473
—, quasi-isothermal TG, in different mixtures 319
—, study by quasi-isothermal and -isobaric TG 313
Pyromellitic acid, bis(N-phenyl), complexes of 441

Quartz powder, adsorption isotherms and thermal curves 416
p-Quaterphenyl, heat capacity of 509
Quasi isothermal dilatometry, of sintering of UO_2 175
— — TG, decomposition of pyrite 313

Rare earth metal oxyiodides, thermal stability 127
— — — trihalides, fusion temperatures 525
— — — zeolites, thermal analysis 399
Reduction of cadmium oxide-zinc oxide mixtures, kinetics of 499
— of iron(II) oxide by hydrogen 15, 16

Sample geometry, effect on melting point of polyethylene 391
Scanning electron microscopy of pyrite oxidation 479
Selenium film, crystallization of 539
Siderite-pyrite-organic material mixture, EGA of 331
Silica gel, adsorption isotherms and thermal curves of 416
— —, thermal modification of 449
Silver toulenedithiolate, thermal decomposition 563
Sintering of UO_2, study by quasi isothermal dilatometry 175
Simultaneous TG, DTG, DTA and EGA technique for thermal analysis 327
Sodium chloride-cadmium chloride, phase diagram, study with solid electrolyte 296
— — -cobalt chloride, phase diagram, study wiht solid electrolyte 295
— — -nickel chloride system, study with solid electrolyte 293
— tetrafluoroberyllate, polymorphic transformation of 112
Solid electrolytes, thermal analysis by e. m. f. measurements on 291
Styrene, polymers of, thermal behaviour 387
Sulphonamides, study by thermal analysis 367

p-Terphenyl, heat capacity 509
Temperature calibration, ICTA standards for 38
Textile fibers, identification by TG 95
Thallium copper(II) sulphate, DTA and thermochromism 495
Thermal analysis, adaption for the study of water vapour isoterms 409
— —, of exchanged rare earth zeolites 403
— —, by electromotive force measurements 291
— —, statistics of published papers 235
— —, technique combining DTA, TG, GLC and MS 302
— decomposition, of cadmium(II) salicyl-aldoximates 139
— — of lead(II) salicyl-aldoximates 139
— — of light lanthanide ferulates 531
— modification of silica gel 449
— stability, of rare earth oxyiodides 127
— treatment of impregnated paper 85
Thermochromism of complexes 487
Thermogravimetry, of antimony trichloride 65
—, — trioxide 63
—, — — -Cerechlor 70 mixtures 71
—, — — -poly(vinyl chloride) mixtures 67

Thermogravimetry, asbetos 9
—, of cadmium(II) salicyl-aldoximates 145
—, calcium propanoate 304
—, of chelates of di-isobutyldithiocarbamic acid 91
—, cobalt(II) complex of 1-methylimidazoline-2(3H)-thione 455
—, combined with GLC and MS 302
— data, determination of kinetic constants from, remarks 377
— and DTG with simultaneous MS, of calcium propanoate 306
—, of epoxide resin system 361
—, of Flammex 72
—, GLC and MS, of calcium propanoate 305
—, for identification of textile fibers 95
—, of iron(II) sulphate heptahydrate-alkali metal carbonate mixtures 349
—, — — — -beryllium carbonate mixtures 356
—, for kinetics of thermal depolymerization of polystyrene 51
—, of La—S—O system 287
—, of lead(II) salicyl aldoximates 147
—, — toluenedithiolate 571
—, of light lanthanide ferulates 534
—, of linen fibers 99
—, of mercury(II) toluenedithiolate 573
—, of modified silica gels 457
—, of poly(2,6-dimethyl-1,4-phenylene oxide) 248
—, of polystyrene, effect of cobalt salicylate on 587
—, of precipitates from phlogopite 120
—, of pyrite 313
—, of pyromellitic acid complexes 442
—, of rare earth oxyiodides 127
—, — — zeolites 403
—, of salicylaldoxime 144
—, of silver toluenedithiolate 567
—, simultaneous with DTG and DTA of pyrite 314
—, for study of styrene polymers 387
—, of Tipolen 68
—, of trinitrotoluene and epoxyresin mixtures 137
—, of wool fibers 98
Thermomagnetometry of nickel 30
Thermosetting resins, study by DSC 79
Thermosonimetry, of dicalcium silicate 110
—, of sodium tetrafluoroberyllate 113
—, study of polymorphic transformation 109
Thione donor complexes of cobalt(II), thermal analysis 463
Tin, purity determination by DSC 264
Tipolen, thermal analysis 68
Trinitrotoluene, compatibility testing of 135

Uranium dioxide, sintering of, study by dilatometry 175

Water, release of, from protein systems 101
— vapour adsorption isotherms, adaption of thermal analysis for 409
Wool fibers, TG for identification 98

X-ray diffraction, following pyrite oxidation by 476
X-ray diffraction of potassium copper(II) sulphate modifications 491

Zeolites, rare earth exchanged, thermal analysis 399